

Message

From: Daly, Eric [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BF6AD94E11314203826E63C8DF0511E2-DALY, ERIC]
Sent: 12/23/2015 4:28:19 PM
To: Nwosu, Bernard [Ben.Nwosu@WestonSolutions.com]
CC: Benton, Tim [Tim.Benton@WestonSolutions.com]
Subject: RE: HTC & NFB

Thanks Ben. Yes that was a typo. U-238. There is one SAT 0-6 inch depth sample that exceeds for that nuclide. So Ra-226, Ra-228 and U-238.

I was looking at an older Figure 7. For some reason I did not have it on my hard drive folder. Another mistake on my part.

Lyndsey has our list of outstanding info. We are both off now. We will revisit Monday.

Thanks again

From: Nwosu, Bernard [mailto:Ben.Nwosu@WestonSolutions.com]
Sent: Wednesday, December 23, 2015 11:19 AM
To: Daly, Eric <Daly.Eric@epa.gov>
Cc: Benton, Tim <Tim.Benton@WestonSolutions.com>
Subject: RE: HTC & NFB

Good morning Eric,

Please see the data you requested for the Holy Trinity Cemetery Site below.

Holy Trinity Cemetery Site				
Radioisotope	RST 3 Data		SAT Data	
	Value (pCi/g)	Total Uncertainty	Value (pCi/g)	Total Uncertainty
Thorium-228	Higher SAT data value		348	42.9
Thorium-230			461	53
Thorium-232			358	43.7
Uranium-233/234			288	29.2
Uranium-235/236			14.2	1.88
Uranium-238			287	24.8
Radium-228			303	31.2
Radium-226*	77.7	8.35	Not Applicable	
Radium-226	Not Applicable		360	37.7
Ac-228	65.3	6.99	Not Analyzed	
Bi-210	20	6.08		
Bi-212	72.4	10.8		
Bi-214	78.1	8.41		

Cesium-137	0.285	0.116
K-40	19.9	3.67
Pb-210	25	12.7
Pb-212	66.9	8.75
Pb-214	79	8.42
Thorium-234	62.9	13.3
Tl-208	23.2	2.54

I noticed that you included U-228 to the list of analytes you want to see on the updated figure 7. Was this a typo? Did you mean U-238? Please clarify. We will send you the updated map after the holidays, likely on December 28, 2015.

Please review the current Figure 7 (attached) to see that the SAT slag data you are referring to is included. Check the corresponding locations for SG01/S05, SG02/S08, and SG03/S07.

If your attention is now focused on CRU, we would need the EPA radionuclide site-specific action levels for CRU to enable us present the final Figure 7 with exceedances.

Please let Lyndsey know that the site-specific action level/criteria for comparing analytical results for wipe and TAL metals in order to determine exceedances still pends for all the NY Rad. Sites.

I am happy to know that CRU will be going into removal action phase.

Please let me know if you have any questions.

Thank you.

Ben Nwosu
Weston Solutions, Inc.
RST3/ED2

From: Daly, Eric [<mailto:Daly.Eric@epa.gov>]
Sent: Wednesday, December 23, 2015 8:59 AM
To: Nwosu, Bernard
Cc: Benton, Tim
Subject: HTC & NFB
Importance: High

Thanks Tim!!!

HTC

- Ben, can we get the same breakdown of soil results for each nuclides like we did for CRU? Meaning the highest value for each between SAT and RST3 data (CRU attached).
- I know we need an updated HTC Figure 7 similar to the CRU figure requested....just these nuclides: Ra226 (post 21 days only), Ra-228 and U-228
- Also, please ensure all soil/slag results from SAT are included on figure. The current Figure 7 doesn't appear to have the SG samples (slag).

Just a heads up..... Lyndsey and I met with E. Wilson and Dan Gaughan to go over specifics of CRU at their request. So we had to shift our attention to that site. Now we will try to finish the NFB Action Memo...which is very close to being ready for upper management review. However, this is an excavation only action memo. Due to cost and precedence, we are developing documents that explain to our management as well as HQ why we are recommending specific actions. NFB and HTC are very similar and most likely will have the same approach. CRU is a bit different and shielding or shielding/excavation combo may be the recommendation.

Merry Christmas and Happy Holidays to you both!!!

From: Nwosu, Bernard [<mailto:Ben.Nwosu@WestonSolutions.com>]
Sent: Monday, December 21, 2015 3:21 PM
To: Daly, Eric [Daly.Eric@epa.gov]
Cc: Benton, Tim <Tim.Benton@WestonSolutions.com>
Subject: RE: CRU Figure

I am glad it all worked out. Thanks to Tim!

Thanks,

Ben Nwosu
Weston Solutions, Inc.
RST3/ED2

From: Daly, Eric [<mailto:Daly.Eric@epa.gov>]
Sent: Monday, December 21, 2015 3:13 PM
To: Nwosu, Bernard
Subject: Re: CRU Figure

Thanks Ben. It was received perfect timing. I was able to use it

Regards,

Eric

"We must, indeed, all hang together, or assuredly we shall all hang separately", Benjamin Franklin
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On Dec 21, 2015, at 12:56 PM, Nwosu, Bernard <Ben.Nwosu@WestonSolutions.com> wrote:

Eric,

As requested please see updated Figure 6B [Radium-226 (12-days ingrowth) & Radium-228 results only].

Please let me know if you have any questions.

Thanks.

Ben Nwosu
Weston Solutions, Inc.
RST3/ED2

From: Daly, Eric [<mailto:Daly.Eric@epa.gov>]
Sent: Monday, December 21, 2015 11:47 AM
To: Nwosu, Bernard
Subject: RE: CRU Figure

It's at 1 pm. I am not saying you have to rush to do it. I just know you were waiting on us to continue on work, so if it was doable, I would use the map. If not, we won't refer to it.

Thanks

From: Nwosu, Bernard [<mailto:Ben.Nwosu@WestonSolutions.com>]
Sent: Monday, December 21, 2015 11:27 AM
To: Daly, Eric <Daly.Eric@epa.gov>
Subject: RE: CRU Figure

Hi Eric,

Please what time is your meeting so we know how much time we have to make this happen.

Thanks,

Ben Nwosu
Weston Solutions, Inc.
RST3/ED2

From: Daly, Eric [<mailto:Daly.Eric@epa.gov>]
Sent: Monday, December 21, 2015 11:18 AM
To: Nwosu, Bernard
Subject: CRU Figure

Hi Ben:

Can I get the attached Figure with Ra-226 values only? Also, please ensure they are the post 21 day values and not the preliminary values. I have a meeting today on CRU and I noticed we didn't do this update on the figure.

I know we still have a lot of questions to answer for you but I am doing the best I can with the limited amount of time people are working along with shifting priorities.

Thanks

Regards,

Eric

"We must, indeed, all hang together, or assuredly we shall all hang separately",

Benjamin Franklin

Eric M. Daly

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<150929_SampleLocationMapwithAnalytics_RadiumOnly.pdf>

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